

EXPRESS MAIL CERTIFICATE

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I hereby certify that, on the date indicated above, I deposited this paper or fee with the U.S. Postal Service and that it was addressed for delivery to the Commissioner of Patents, U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202 by "Express Mail Post Office to Addressee" service.

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10/009118  
JC10 Rec'd PCT/PTO 06 DEC 2001

EXPRESS MAIL CERTIFICATE

Date 12-6-01 Label No. EV0004807013-48  
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File No.: 0136/OK089USO

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Hyuk-Jun NAM and Sang-Hern KIM  
Serial No: To Be Assigned (National Phase of International Application No. PCT/KR00/01173, filed October 18, 2000).  
Filed: Concurrently Herewith  
For: **A TRANSFORMANT FOR SCREENING OF INHIBITORS FOR HUMAN IMMUNODEFICIENCY VIRUS**

**STATEMENT PURSUANT TO RULE 1.821(f)**

December 6, 2001

Hon. Commissioner of Patents  
U.S. Patent and Trademark Office  
P.O. Box 2327  
Arlington, Virginia 22202

Sir:

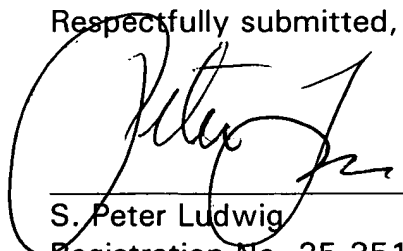
A diskette is enclosed which includes a sequence listing for the above-referenced application. A paper copy of the file is attached.

The sequence in the present Sequence Listing is shown in the specification of the corresponding international application no. PCT/KR00/01173 as published on October 18, 2001 and transmitted by the International Bureau; therefore, no new matter has been added as a result of the amendment filed herewith.

The content of the attached paper entitled "Sequence Listing" and of the accompanying machine-readable ASCII-encoded file on diskette labeled "Sequence list (ASCII Copy)", is the same. Furthermore, the information contained in the attached "Sequence Listing" and the ASCII-encoded file is identical to the information in the specification as filed.

Consideration of the enclosed diskette and paper are respectfully requested.

Respectfully submitted,



S. Peter Ludwig  
Registration No. 25,351  
Attorney for Applicant(s)

DARBY & DARBY PC  
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New York, NY 10022  
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PCT10

## RAW SEQUENCE LISTING

DATE: 01/14/2002

PATENT APPLICATION: US/10/009,118

TIME: 13:47:54

Input Set : A:\Sequence list (ASCII copy).txt

Output Set: N:\CRF3\01142002\J009118.raw

**ENTERED**

3 <110> APPLICANT: YOU, Ji-Chang  
5 <120> TITLE OF INVENTION: A Transformant for Screening of Inhibitors for Human  
Immunodeficiency Virus  
6 iciency Virus  
8 <130> FILE REFERENCE: P0019-JCY  
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/009,118  
C--> 10 <141> CURRENT FILING DATE: 2001-12-06  
10 <160> NUMBER OF SEQ ID NOS: 8  
12 <170> SOFTWARE: KOPATIN 1.5  
14 <210> SEQ ID NO: 1  
15 <211> LENGTH: 3279  
16 <212> TYPE: DNA  
17 <213> ORGANISM: Artificial Sequence  
19 <220> FEATURE:  
21 <223> OTHER INFORMATION: beta-galactosidase gene  
24 <400> SEQUENCE: 1  
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29 atagtcttag aggtaccggt tgtaaacggt agccggctac gtatactccg gaatattaat 180  
31 aggcctagga tgcataatggc ggccgcctgc aggtcgactc tagaggatcc cgtcgtttta 240  
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35 ccttttgcga gctggcgtaa tagcgaagag gcccgccaccg atcgcccttc ccaacagttg 360  
37 cgcagcctga atggcgcaatg gcgctttgccc tggtttccgg caccagaagc ggtgccggaa 420  
39 agctggctgg agtgcgatct tcttgaggcc gatactgtcg tcgtcccttc aaactggcag 480  
41 atgcacgggt acgatgcgcc catctacacc aacgtaacct atcccattac ggtcaatccg 540  
43 ccgtttgttc ccacggagaa tccgacgggt tgttactcgc tcacatttaa tgttgatgaa 600  
45 agctgggtac aggaaggcca gacgcgaatt atttttgatg gcgttaactc ggcgtttcat 660  
47 ctgtgggtgca acggggcgctg ggctgggttac ggccaggaca gtcgtttgccc gtctgaattt 720  
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51 agtgacggca gttatctgga agatcaggat atgtggcgga tgagcggcat tttccgtgac 840  
53 gtctcggttg tgcataaacc gactacacaa atcagcgatt tccatgttgc cactcgcttt 900  
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63 gtgggtgaac tgcacacgcg cgacggcacg ctgattgaag cagaagcctg cgatgtcggg 1200  
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## RAW SEQUENCE LISTING

DATE: 01/14/2002

PATENT APPLICATION: US/10/009,118

TIME: 13:47:54

Input Set : A:\Sequence list (ASCII copy).txt

Output Set: N:\CRF3\01142002\J009118.raw

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91 tttggcgata cgccgaacga tcgccagttc tgtatgaacg gtctggtctt tgccgaccgc      2040
93 acgccgcata cagcgctgac ggaagcaaaa caccagcagc agtttttcca gttccgttta      2100
95 tccgggcaaaa ccatcgaagt gaccagcgaa tacctgttcc gtcatagcga taacgagctc      2160
97 ctgcactgga tgggtggcgt ggatggtaag ccgctggcaa gcggtgaagt gcctctggat      2220
99 gtcgctccac aaggtaaaca gttgattgaa ctgcctgaac taccgcagcc ggagagcgcc      2280
101 gggcaactct ggctcacagt acgcgtagtg caaccgaacg cgaccgcatg gtcagaagcc      2340
103 gggcacatca gcgcctggca gcagtggcgt ctggcggaaa acctcagtgt gacgctcccc      2400
105 gccgcgtccc acgccatccc gcacttgacc accagcgaaa tggatttttg catcgagctg      2460
107 ggtaataaag gttggcaatt taaccgccag tcaggctttc ttccacagat gtggattggc      2520
109 gataaaaaac aactgctgac gccgctgcgc gatcagttca cccgtgcacc gctggataac      2580
111 gacattggcg taagtgaagc gaccgcgcat gaccctaacg cctgggtcga acgctggaag      2640
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115 gatgcggtgc tgattacgac cgctcacgcg tggcagcatc aggggaaaaac cttattttatc      2760
117 agccggaaaa cctaccggat tgatggtagt ggtcaaatgg cgattaccgt tgatgttgaa      2820
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121 gcagagcggg taaactggct cggattaggg ccgcaagaaa actatcccga ccgccttact      2940
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125 ccgagcgaaa acggtctgcy ctgcgggacg cgcgaattga attatggccc acaccagtgg      3060
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133 ggtcgtctacc attaccagtt ggtctggtgt caaaaataa      3279
136 <210> SEQ ID NO: 2
137 <211> LENGTH: 131
138 <212> TYPE: DNA
139 <213> ORGANISM: Human immunodeficiency virus type 1
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145 ggtgagtacg ccaatttttg actagcggag gctagaagga gagagagatg ggtgcgagag      120
147 cgtcggtatt a      131
150 <210> SEQ ID NO: 3
151 <211> LENGTH: 84
152 <212> TYPE: DNA
153 <213> ORGANISM: Human immunodeficiency virus type 1
156 <400> SEQUENCE: 3
157 ctctcgacgc aggactcggc ttgctgaagc gcgcacagca agaggcgagg ggcggcgact      60
159 ggtgagtacg ccaatttttg acta      84
162 <210> SEQ ID NO: 4
163 <211> LENGTH: 67
164 <212> TYPE: DNA
165 <213> ORGANISM: Human immunodeficiency virus type 1
168 <400> SEQUENCE: 4
169 agcaagaggc gaggggaggc gactggtgag tacgccaatt tttgactagc ggaggctaga      60
171 aggagag      67
174 <210> SEQ ID NO: 5
175 <211> LENGTH: 88
176 <212> TYPE: DNA
177 <213> ORGANISM: Human immunodeficiency virus type 1

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180 <400> SEQUENCE: 5
181 agcaagagggc gaggggcggc gactggtgag tacgccaatt tttgactagc ggaggctaga      60
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186 <210> SEQ ID NO: 6
187 <211> LENGTH: 31
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
193 <223> OTHER INFORMATION: primer for amplifying SL23 and SL234 sequences of
194      Human immunodeficiency virus type 1
197 <400> SEQUENCE: 6
198 gggggtgacc tttaaaagca agaggcgagg g      31
201 <210> SEQ ID NO: 7
202 <211> LENGTH: 28
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
208 <223> OTHER INFORMATION: primer for amplifying SL23 sequence of Human
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209      virus type 1
212 <400> SEQUENCE: 7
213 gggggtgacc ctctccttct agcctccg      28
216 <210> SEQ ID NO: 8
217 <211> LENGTH: 31
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
223 <223> OTHER INFORMATION: primer for amplifying SL234 sequence of Human
immunodeficiency
224      virus type 1
227 <400> SEQUENCE: 8
228 gggggtgacc gacgtctctg caccgtctc t      31

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VERIFICATION SUMMARY

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Input Set : A:\Sequence list (ASCII copy).txt

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date